

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **Hideo HOSONO et al.**

Serial Number: **Not yet assigned**  
(§371 of international application No. PCT/JP2004/001507)

Filed: **December 22, 2005**

For: **ELECTROCONDUCTIVE  $12\text{CaO} \cdot 7\text{Al}_2\text{O}_3$  AND COMPOUND OF  
SAME TYPE, AND METHOD FOR PREPARATION THEREOF**

Attorney Docket Number: **053329**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

December 22, 2005

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. A copy of each non-U.S. document is enclosed herewith.

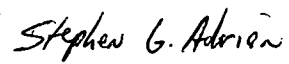
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Respectfully submitted,

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Enclosure: PTO/SB/08, 12 documents and international search report.

IAP9 Rec'd PCT/PTO 22 DEC 2005

<b>Combined Form PTO/SB/08A&amp;B</b>  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	New Application
				Confirmation Number	
				Filing Date	December 22, 2005
				First Named Inventor	Hideo HOSONO et al.
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	053329

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
/RK/	1	US 5,675,972		10-14-1997	Jonathan Sidney EDELSON
/RK/	2	US2005/0061657		03-24-2005	Hideo HOSONO et al.
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
/RK/	3	JP	2003-040697		02-13-2003	Japan Sci. & Tech. Corp.	Abstract, cited in the ISR
/RK/	4	JP	2002-348117		04-12-2002	Japan Atom Ener. Res. Ins.	Abstract, cited in the ISR
/RK/	5	JP	2002-003218		01-09-2002	Japan Sci. & Tech. Corp.	Abstract, cited in the ISR
/RK/	6	JP	2004-26608		01-29-2004	Japan Sci. & Tech. Corp.	Abstract, cited in the ISR
/RK/	7	JP	2002-316867		10-31-2002	Japan Sci. & Tech. Corp.	Abstract, cited in spec.
/RK/	8	JP	2003-238149		08-27-2003	Japan Sci. & Tech. Corp.	Abstract, cited in spec.
/RK/	9	PCT	WO03/089373		10-30-2003	Japan Sci. & Tech. Corp.	Abstract, cited in spec.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
/RK/	10	Andrew S. ICHIMURA et al.; "Toward Inorganic Electrides", J. AM. Chem. Soc., Vol. 124, No. 7, 2002, pp.1170-1171. Cited in the ISR.	
/RK/	11	Satoru MATSUSHI et al.; "High-Density Electron Anions in a Nanoporous Singe Crystal [Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sup>4+</sup> (4e <sup>-</sup> ), Science, Vol. 301, August 1, 2003, Cited in the ISR	
/RK/	12	H. HOSONO et al.; "12CaO·7Al <sub>2</sub> O <sub>3</sub> crystal containing calthrated hyperoxide ion radicals called phatom chemical species in high concentration", Vol. 33, No. 4, 1996, pp171-172. Cited in the spec.	
/RK/	13	O. YAMAGUCHI et al.; "New Compound in the System SrO-Al <sub>2</sub> O <sub>3</sub> ", J. Am. Ceram. Soc., Vol.69, No. 2, pp.C-36-C37. Cited in the spec.	
/RK/	14	Frederick J. TEHAN et al.; "Alkali Anions. Preparation and Crystal Structure of a Compound Which Contains the Cryptated Sodium Cation and the Sodium Anion", Journal of the American Chemical Society, Vol. 96, No. 23, November 13, 1974, pp.7203-7204. Cited in the spec.	

Examiner Signature	/Robert Kunemund/	Date Considered	02/01/2008
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